



757-2008 ADDENDUM 1

CONFEDERATION BUILDING SUPPLEMENTARY HEATING UPGRADES PHASE I

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE BID
OPPORTUNITY**

ISSUED: December 8, 2008
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**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID OPPORTUNITY AND SHALL
FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: A20060821

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid Opportunity, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid may render your Bid non-responsive.

PART A – BID SUBMISSION

Replace: 757-2008 Bid Submission with 757-2008 Addendum 1 - Bid Submission. The following is a summary of changes incorporated in the replacement Bid Submission:

Form B(R1): Revised Separate Price Items No. 1, 3 and 4.

PART B – BIDDING PROCEDURES

- Revise: B9.2(a) to read: Separate Price - Item No. 1 shall be the amount to be deducted from the lump sum price if, for the existing basement exhaust fan EF-1, the new electronic speed control and associated BMS controls are deleted and a new rheostat speed control is substituted (see Drawing No. M02);
- Revise: B9.2(c) to read: Separate Price - Item No. 3 shall be the amount to be deducted from the lump sum price if new Boiler B-4 and associated work is deleted (see Drawing No. M06).
- delete boiler B-4 and associated piping, venting, controls;
 - increase capacity of B-3 to 600 MBH input (Camus Model DMNH0600);
- Add: B9.2(d): Separate Price - Item No. 4 shall be the amount to be deducted from the lump sum price if the following are deleted:
- heat exchanger HX-1;
 - pumps P-8 & P-13;
 - tanks ET-2 & GFT-1;
 - air separator AS-2;
 - new heating coil, motor upgrade and filter rack relocation in MUA-1;
 - associated piping (cap ends as necessary), insulation, controls and balancing (see Drawing No. M06 & M07).

PART E – SPECIFICATIONS

Revise: E1.2 to read: The following are applicable to the Work:

<u>Specification No.</u>	<u>Specification Title</u>
01 33 00	Table of Contents (R1)
01 42 00	Submittal Procedures
06 10 10	References
07 59 60	Rough Carpentry
07 84 00	Existing Roof Modification for New Work
07 92 10	Firestopping and Smoke Seals
08 11 14	Joint Sealants
08 70 00	Steel Doors and Frames
09 25 00	Finish Hardware
09 67 60	Gypsum Board
09 91 00	Epoxy Floorings
21 24 16	Finish Painting
22 05 01	Dry-Chemical Fire-Extinguishing Equipment
22 05 23	Common Work Results for Plumbing
22 05 29	Valves and Strainers
22 06 10.13	Hangers and Supports for Plumbing Piping and Equipment
22 08 00	Plumbing Pump Schedule
22 13 16	Commissioning of Plumbing
22 13 33	Sanitary Waste and Vent Piping
22 30 00	Packaged, Submersible Sewerage Pump
23 05 01	Plumbing Equipment
23 05 16	Common Work Results for Mechanical
23 05 19	Expansion Fittings and Loops for HVAC Piping
23 05 29	Meters and Gauges for HVAC Piping
23 05 93	Hangers and Supports for HVAC Piping and Equipment
23 06 20.13	Testing, Adjusting and Balancing for HVAC (Balancing)
23 06 20.16	Hydronic Pump Schedule
23 06 21.16	Circuit Balancing Valve Schedule
23 06 21.19	Plate and Frame Heat Exchanger Schedule
23 06 50.13	Tank Schedule
23 06 80.23	Condensing Boiler Schedule
23 07 19	Air Coil Schedule
23 08 00	HVAC Piping Insulation
23 08 02	Commissioning of Mechanical
23 09 00	Cleaning of HVAC Piping
23 09 33	Instrumentation and Control for HVAC
23 09 33.13	Electric and Electronic Control Systems for HVAC
23 09 93	Controls Points List
23 11 23	Sequence of Operations for HVAC Controls
23 21 13	Natural Gas Piping
23 21 14	Hydronic Piping
23 21 23	Hydronic Specialties
23 31 13	Hydronic Pumps
23 33 13.16	Metal Ducts
23 41 13	Fire Dampers
23 52 16.13	Panel Air Filters
23 57 19.13	Condensing Boilers
23 75 23	Plate and Frame Heat Exchangers
23 82 16	Custom Packaged, Outdoor, Heating and Ventilating Make-Up Air Units
	Air Coils

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
M01	Mechanical Legend and Abbreviations

M02 R1	Basement 11 th Floor Mechanical Layouts
M03 R1	Main Floor Mechanical Layout and Details
M04	Second Floor Mechanical Layout and Details
M05 R1	Basement Mechanical/Electrical Room Layouts
M06	Mechanical Room Hydronic Schematic
M07	Hydronic Schematic Basement & Main Floor Heating Loop Make-Up Air Pre-Heat/Cooling Loop
M08	Mechanical Details and Sections
A01	Site Plan – Life Safety Plan
A02	Basement & Main Floor – Life Safety Plan
A03	Door & Room Finish Schedule, Roof Plan & Structural Notes
E01	Symbols
E02	Basement Level – Electrical Single Line
E03	Basement Level – Electrical Room Layouts

Add: 757-2008_Addendum_1-NMS_Format_Specifications

Replace: Table of Contents in 757-2008_NMS_Format_Specifications with Table of Contents (R1) included in 757-2008_Addendum_1-NMS_Format_Specifications.

Revise: Section 22 05 29 Clause 3.3.1 to read:

Provide for floor-mounted equipment, reinforced concrete housekeeping bases poured directly on structural floor slab 100 mm thick minimum, extended 150 mm minimum beyond machinery bedplates. Provide templates, anchor bolts and accessories required for mounting and anchoring equipment.

Revise: Section 23 05 01 Clause 2.1.5.6 to read:

Boilers – High Efficiency, Condensing Larrs, Viessmann, Aerco, Camus

Revise: Section 23 05 01 Clause 2.1.5.29 to read:

Pumps – In-Line Circulators Armstrong, B & G, Taco, Grundfos, Patterson

Revise: Section 23 05 01 Clause 2.1.5.31 to read:

Pumps – Vertical In-Line Armstrong, B & G, Taco, Leitch, Grundfos, Patterson

Delete: “(BALANCING)” from the header title of Section 23 05 93

Add: Section 23 05 93 Clause 3.2.10:

Make-up Air Unit (MUA-1): Balance newly retrofitted make-up air unit to supply 2900. Coordinate with Controls Contractor for proper VFD settings.

Add: Section 23 05 93 Clause 3.2.11:

Basement Exhaust Fan (EF-1): Provide the City with documented speed controller settings for exhaust fan air flow rates of 100, 200, 300, 400, 500 & 600 LPS. The final speed controller setting of the newly retrofitted basement exhaust fan shall be 300 LPS. Coordinate with Controls Contractor for proper speed controller settings.

Add: Section 23 05 93 Clause 3.6.14:

Existing building loop pumps (P-1 & P-2): Provide new pump flow rates of the existing building loop pumps using ultrasonic flow measuring methods.

Add: Section 23 09 93 Clause 4.1.2.9:

Controls contractor shall coordinate with the boiler supplier to allow for optimized boiler staging efficiency.

DRAWINGS

Replace: 757-2008_Drawing_M02-R0.pdf with 757-2008_Addendum_1-Drawing_M02-R1.pdf

757-2008_Drawing_M03-R0.pdf with 757-2008_Addendum_1-Drawing_M03-R1.pdf

757-2008_Drawing_M05-R0.pdf with 757-2008_Addendum_1-Drawing_M05-R1.pdf

Add: 757-2008_Addendum_1-Drawing_A01-R0.pdf

757-2008_Addendum_1-Drawing_A02-R0.pdf

757-2008_Addendum_1-Drawing_A03-R0.pdf

757-2008_Addendum_1-Drawing_E01-R0.pdf

757-2008_Addendum_1-Drawing_E02-R0.pdf

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